

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: PE Corporation (NY)

(ii) TITLE OF INVENTION: ENERGY TRANSFER DYES WITH ENHANCED FLUORESCENCE

(iii) NUMBER OF SEQUENCES: 3

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: David J. Weitz, Wilson Sonsini Goodrich

& Rosati

(B) STREET: 650 Page Mill Road

(C) CITY: Palo Alto

(D) STATE: California

(E) COUNTRY: USA

(F) ZIP: 94304-1050

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: 3.5 inch diskette

(B) COMPUTER: IBM compatible

(C) OPERATING SYSTEM: Microsoft Windows 3.1/DOS 5.0

(D) SOFTWARE: Word 97

ASCII (DOS) TEXT format

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:

(B) FILING DATE:

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/642,330

(B) FILING DATE: May 3, 1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/672,196

(B) FILING DATE: June 27, 1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/726,462

(B) FILING DATE: October 4, 1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 09/046,203

(B) FILING DATE: March 23, 1998

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 09/272,097

(B) FILING DATE: March 18, 1999

(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: David J. Weitz

(B) REGISTRATION NUMBER: 38,362

(C) REFERENCE/DOCKET NUMBER: 16842-776

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (650) 493-9300

(B) TELEFAX: (650) 493-6811

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1217 nucleotides

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

GCCAAGCTTG	CATGCCTGCA	GGTCGACTCT	AGAGGATCCC	40
CGGGTACCGA	GCTCGAATTG	GTAATCATGG	TCATAGCTGT	80
TTCCTGTGTG	AAATTGTTAT	CCGCTCACAA	TTCCACACAA	120
CATACGAGCC	GGAAGCATAA	AGTGTAAAGC	CTGGGGTGCC	160
TAATGAGTGA	GCTAACTCAC	ATTAATTGCG	TTGCGCTCAC	200
TGCCCGCTTT	CCAGTCGGGA	AACCTGTCGT	GCCAGCTGCA	240
TTAATGAATC	GGCCAACGCG	CGGGGAGAGG	CGGTTTGCCT	280
ATTGGGCGCC	AGGGTGGTTT	TTCTTTCAC	CAGTGAGACG	320
GGCAACAGCT	GATTGCCCTT	CACCGCCTGG	CCCTGAGAGA	360
GTTGCAGCAA	GCGGTCCACG	CTGGTTGCC	CCAGCAGGCG	400
AAAATCCTGT	TTGATGGTGG	TTCCGAAATC	GGCAAAATCC	440
CTTATAAAATC	AAAAGAATAG	CCCGAGATAG	GGTTGAGTGT	480
TGTTCCAGTT	TGGAACAAGA	GTCCACTATT	AAAGAACGTG	520
GAATCCAACG	TCAAAGGGCG	AAAAACCGTC	TATCAGGGCG	560
ATGGCCCACG	ACGTGAACCA	TCACCCAAAT	CAAGTTTTT	600
GGGGTCGAGG	TGCCGTAAAG	CACTAAATCG	GAACCTAAA	640
GGGAGCCCCC	GATTTAGAGC	TTGACGGGA	AAGCCGGCGA	680
ACGTGGCGAG	AAAGGAAGGG	AAGAAAGCGA	AAGGAGCGGG	720
CGCTAGGGCG	CTGGCAAGTG	TAGCGGTAC	GCTGCGCGTA	760
ACCACCACAC	CCGCCGCGCT	TAATGCGCCG	CTACAGGGCG	800
CGTACTATGG	TTGCTTGAC	GAGCACGTAT	AACGTGCTTT	840
CCTCGTTGGA	ATCAGAGCGG	GAGCTAAACA	GGAGGCCGAT	880
TAAAGGGATT	TTAGACAGGA	ACGGTACGCC	AGAATCTTGA	920

GAAGTGT	TTT	TATAATCA	GT	GAGGCCAC	CG	AGTAAAAGAG	960
TCTGT	CCATC	ACGCAAATTA	ACCGTTGT	AG	CAATACTTCT	1000	
TTGATT	AGTA	ATAACATCAC	TTGCCTGAG	AGAAGAA	ACTC	1040	
AAACTATCGG	CCTTGCTGGT	AATATCCAGA	ACAATATTAC	1080			
CGCCAGCCAT	TGCAACAGGA	AAAACGCTCA	TGGAAATACC	1120			
TACATTTGA	CGCTCAATCG	TCTGAAATGG	ATTATTTACA	1160			
TTGGCAGATT	CACCA	GTCA	ACGACCAGTA	ATAAAAGGGA	1200		
CATTCTGGCC	AACAGAG				1217		

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18 nucleotides
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

TGTAAAACGA	CGGCCAGT	18
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(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 738 nucleotides
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

ATACGACTCA	CTATAGGGCG	AATT	CGAGCT	CGGTACCCGG	40
GGATCCTCTA	GAGTCGACCT	GCAGGCATGC	AAGCTTGAGT	80	
ATTCTATAGT	GTCACCTAAA	TAGCTTGGCG	TAATCATGGT	120	

CATAGCTGTT	TCCTGTGTGA	AATTGTTATC	CGCTCACAAAT	160
TCCACACAAC	ATACGAGCCG	GAAGCATAAA	GTGTAAAGCC	200
TGGGGTGCCT	AATGAGTGAG	CTAACTCACA	TTAATTGCGT	240
TGCGCTCACT	GCCCGCTTTC	CAGTCGGGAA	ACCTGTCGTG	280
CCAGCTGCAT	TAATGAATCG	GCCAACGCGC	GGGGAGAGGC	320
GGTTTGCCTA	TTGGGCGCTC	TTCCGCTTCC	TCGCTCACTG	360
ACTCGCTGCG	CTCGGTCGTT	CGGCTGCGC	GAGCGGTATC	400
AGCTCACTCA	AAGGCGGTAA	TACGGTTATC	CACAGAAATCA	440
GGGGATAACG	CAGGAAAGAA	CATGTGAGCA	AAAGGCCAGC	480
AAAAGGCCAG	GAACCGTAAA	AAGGCCGCGT	TGCTGGCGTT	520
TTTCCATAGG	CTCCGCCCCC	CTGACGAGCA	TCACAAAAAT	560
CGACGCTCAA	GTCAGAGGTG	GCGAAACCCG	ACAGGACTAT	600
AAAGATACCA	GGCGTTTCCC	CCTGGAAGCT	CCCTCGTGCG	640
CTCTCCTGTT	CCGACCCCTGC	CGCTTACCGG	ATACCTGTCC	680
GCCTTTCTCC	CTTCGGGAAG	CGTGGCGCTT	TCTCATAGCT	720
CACGCTGTAG	GTATCTCA			738